

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 - 49 (Cancelled)

50. (New) A method for providing services via a packet-switched (PS) multimedia network to users communicating in a circuit-switched (CS) domain, comprising:

establishing a dialog between a plurality of terminals using a Session Initiation Protocol (SIP) via the PS multimedia network for the purpose of establishing a CS connection involving at least one terminal that is incapable of engaging in streaming communications via the PS multimedia network, wherein the establishing the dialog includes sending CS bearer information indicating that a communication flow is requested via a CS network and a caller line identifier associated with a terminal requesting the CS connection;

parsing a SIP message of the dialog to determine the CS bearer information; and
effecting the communication flow between the plurality of terminals via the CS network as directed by the CS bearer information in response to the SIP message.

51. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises includes multimedia caller line identification data in the dialog.

52. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises sending a SIP INVITE message from a first of the plurality of terminals to at least a second of the plurality of terminals, and wherein communicating CS bearer information comprises communicating the CS bearer information by way of a session description provided via a message body of the SIP invite.

53. (New) The method of Claim 50, wherein establishing a dialog between the plurality of terminals comprises communicating CS bearer information between the plurality of terminals via the dialog by way of Session Description Protocol (SDP) messages having SDP extensions indicating the CS bearer information.

54. (New) The method of Claim 53, wherein communicating the CS bearer information by way of the SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

55. (New) The method of Claim 53, wherein communicating the CS bearer information by way of the SDP messages comprises communicating at least some of the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flows via the CS network.

56. (New) The method of Claim 55, wherein communicating the CS bearer information by way of the SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

57. (New) The method of Claim 55, wherein communicating the CS bearer information by way of the SDP messages further comprises communicating at least some of the CS bearer information via an SDP attribute indicative of a type of the communication flow to be effected via the CS network.

58. (New) The method of Claim 53, wherein communicating the CS bearer information by way of the SDP messages comprises communicating at least some of the CS bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flows via the CS network.

59. (New) The method of Claim 58, wherein communicating the CS bearer information by way of the SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

60. (New) The method of Claim 58, wherein communicating the CS bearer information by way of the SDP messages further comprises communicating at least some of the CS bearer information via an SDP attribute indicative of a type of the communication flow to be effected via the CS network.

61. (New) The method of Claim 53, wherein communicating the CS bearer information by way of the SDP messages comprises communicating at least some of the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.

62. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises communicating the CS bearer information by way of a CS-specific content type value associated with a SIP Content-Type header.

63. (New) The method of Claim 50, wherein establishing a dialog between a plurality of terminals comprises communicating the CS bearer information by way of a CS-specific value associated with a CS-specific SIP header.

64. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises communicating the CS bearer information by way of a session description definition provided via the dialog.

65. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises communicating the CS bearer information by way of a CS-specific value associated with a CS-specific header of a signaling protocol operable in the PS multimedia network.

66. (New) The method of Claim 50, wherein establishing the dialog between the plurality of terminals comprises providing to at least one of the terminals a video service, audio service, video telephony service, multimedia conference service, voicemail, call forwarding, call transfer, and application sharing service.

67. (New) The method of Claim 50, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating real-time media through the CS network.

68. (New) The method of Claim 50, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating a conversational quality of service class flow through the CS network.

69. (New) The method of Claim 50, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating a streaming quality of service class flow through the CS network.

70. (New) The method of Claim 50, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating at least one of a voice call, video transmission, audio transmission, and facsimile transmission through the CS network.

71. (New) A method for establishing a circuit-switched (CS) connection between at least two terminals, comprising:

establishing a dialog between the at least two terminals using a Session Initiation Protocol (SIP) through a packet-switched (PS) multimedia network;

communicating CS bearer information between the at least two terminals via the dialog by way of a SIP message indicating the CS bearer information, wherein the CS bearer information includes at least multimedia caller line identification data and an indication that a communication flow is requested via a CS network;

parsing the SIP message in the terminal receiving the SIP message to determine the CS bearer information;

establishing a connection via the CS network based at least in part on the CS bearer information provided via the dialog; and

effecting the communication flow between the at least two terminals using the connection established via the CS network.

72. (New) A terminal for receiving services via a packet-switched (PS) multimedia network and communicating via a circuit-switched (CS) network, comprising:

a processing system;

a Session Initiation Protocol (SIP) user agent that causes the processing system to establish a SIP dialog via a PS multimedia network for the purpose of establishing a CS connection with at least one targeted recipient terminal that is incapable of engaging in streaming communications via the PS multimedia network, wherein establishing the dialog includes sending CS bearer information indicating that a communication flow is requested via the CS network and a caller line identifier associated with the terminal; and

a user agent operable via the processing system and that causes the processing system to effect the communication flow between the terminal and the at least one targeted recipient terminal via the CS network as directed by the CS bearer information.

73. (New) The terminal as in Claim 72, further comprising a session description user agent operatively coupled to the SIP user agent, wherein the session description user agent causes the processing system to provide the CS bearer information to be communicated by the SIP user agent by way of a Session Description Protocol (SDP) message having an SDP extension indicating the CS bearer information

74. (New) The terminal as in Claim 73, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent that causes the processing system to provide the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flow via the CS network.

75. (New) The terminal as in Claim 73, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent that causes the processing system to provide the CS bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flow via the CS network.

76. (New) The terminal as in Claim 73, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent that causes the processing system to provide the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.

77. (New) The terminal as in Claim 72, wherein the SIP user agent further causes the processing system to provide the CS bearer information via a CS-specific content type value associated with a SIP Content-Type header.

78. (New) The terminal as in Claim 72, wherein the SIP user agent further causes the processing system to provide the CS bearer information via a CS-specific value associated with a CS-specific SIP header.

79. (New) The terminal as in Claim 72, wherein the terminal comprises a mobile station wirelessly coupled to the PS multimedia network and CS network via a Radio Access Network (RAN).

80. (New) A system for providing Internet Protocol Multimedia Subsystem (IMS)-based services to users communicating time delay-sensitive information over a circuit switched (CS) network, comprising:

a receiver terminal and a sender terminal, wherein at least one of the sender and receiver terminals being incapable of engaging in streaming communications via the IMS;
wherein the sender terminal comprises,
a sender terminal processing system;

a sender terminal Session Initiation Protocol (SIP) user agent operable via the sender terminal processing system that causes the sender terminal processing system to initiate a dialog with the receiver terminal through the IMS, wherein establishing the dialog includes sending CS bearer information indicating that a communication flow is requested via the CS network and a caller line identifier associated with the sender terminal; and

a sender terminal CS communication user agent operable via the sender terminal processing system that causes the sender terminal processing system to effect the communication flow with the receiver terminal via the CS network as directed by the CS bearer information; and
wherein the receiver terminal comprises,

a receiver terminal processing system;

a receiver terminal SIP user agent operable via the recipient terminal processing system that causes the receiver terminal processing system to recognize the CS bearer information, and to respond to the sender terminal acknowledging receipt of the CS bearer information; and

a receiver terminal CS communication user agent operable via the receiver terminal processing system and causing the receiver terminal processing system to effect the communication flow with the sender terminal via the CS network as directed by the CS bearer information.

81. (New) A computer-readable medium having instructions stored thereon which are executable by a processor for establishing a circuit-switched (CS) connection between at least two terminals, wherein at least one of the at least two terminals is incapable of engaging in streaming communications via a packet-switched (PS) multimedia network, the instructions causing the processor to perform steps comprising:

establishing a dialog between the at least two terminals using a Session Initiation Protocol (SIP) through the PS multimedia network for the purpose of establishing a CS connection involving at least one terminal that is incapable of engaging in streaming communications via the PS multimedia network;

communicating CS bearer information between the at least two terminals via the dialog, wherein the CS bearer information includes at least an indication that a communication flow is requested via a CS network and a caller line identifier associated with terminals sending the CS bearer information;

establishing a connection via the CS network based at least in part on the CS bearer information provided via the dialog; and

effecting the communication flow between the at least two terminals using the connection established via the CS network.

82. (New) The computer-readable medium as in Claim 81, wherein the instructions for performing the step of communicating CS bearer information comprise instructions for communicating the CS bearer information by way of a CS-specific content type value associated with a SIP Content-Type header.

83. (New) The computer-readable medium as in Claim 81, wherein the instructions for performing the step of communicating CS bearer information comprise instructions for communicating the CS bearer information by way of a CS-specific value associated with a CS-specific SIP header.

84. (New) The computer-readable medium as in Claim 81, wherein the instructions for performing the step of communicating CS bearer information comprise instructions for communicating the CS bearer information by way of Session Description Protocol (SDP) messages having an extension part indicating the CS bearer information

85. (New) The computer-readable medium as in Claim 84, wherein the instructions for communicating the CS bearer information by way of the SDP messages comprise instructions for communicating at least some of the CS bearer information via a media type particular to communication flows via the CS network.

86. (New) The computer-readable medium as in Claim 84, wherein the instructions for communicating the CS bearer information by way of the SDP messages comprise instructions for communicating at least some of the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flows via the CS network.

87. (New) The computer-readable medium as in Claim 84, wherein the instructions for communicating the CS bearer information by way of the SDP messages comprise instructions for communicating at least some of the CS bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flows via the CS network.

88. (New) The computer-readable medium as in Claim 84, wherein the instructions for communicating the CS bearer information by way of the SDP messages comprise instructions for communicating at least some of the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.